

## SEQUENCE LISTING

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<120> Compositions and Methods Relating to Ovarian Specific Genes and Proteins

<130> DEX-0315

<150> 60/268,290

<151> 2001-02-13

<150> 60/268,834

<151> 2001-02-15

<160> 129

<170> PatentIn version 3.1

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<213> Homo sapien

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atagactaca tccattttga ggagacatca	ctatggccat gtactaaaga gactatgcat	240



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ggggcttgta aggaaagcct tgatggggcc agcccttggn attgaag                      167

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<210> 18
<211> 484
<212> DNA
<213> Homo sapien

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<400> 18  
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cctatgatcc cagcactttg ggaggccaag gccagcagat catttgagcc caggagttcg 180  
agaccagcct gggcaacatg gtgaaacctt gtttctatta aaaatacaaa aataaaataa 240  
taattagcca actatggtgg tgcacacctg tagtcccagc tactgggggc gctaagggtg 300  
gaggatcgct tgagcctggg aggtcaaggc tgcagtgagc tatgatcaca ccactgcact 360  
cctgcttagt gacagagaga gacctgtct caaaaaaaaaa aaaaaaaaaa gacttcacat 420  
tcattctttc gaatttttcc ataaccctt ttagctggta taatggacag ctcttgggac 480  
aaca 484

<210> 19  
<211> 906  
<212> DNA  
<213> Homo sapien

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tctgtggtag actctctact gtgcgccagg ttcccatgcc gctcctaata gccgctcgta 180  
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ttttcttggc tcatcctggc tcaaaaatca cccccactga gcaccttgca accccccact 660  
cctgcctgcc agagaacaaa cctctttttg actgtaattt tcctttacct acccaaattc 720  
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tgggggtaac cagggacaaa aggtcccggg ggaattgtga tccggccaaa ttcccaaatg 900  
gacaac 906

<210> 20  
 <211> 744  
 <212> DNA  
 <213> Homo sapien

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 ggtgacacat tgtgattcgg ctacacacat gtccacacac aatagagaag caagagagaa 600  
 gacaagagag gaagagagag aagaaaaaag agaagcaaga agaaaaagaa aaaggacaga 660  
 cacgaggagc agcaagaaag aaggagagag cgagcagaga aaggagagag ggacagaaga 720  
 caggcaggga aagaaggga gaag 744

<210> 21  
 <211> 851  
 <212> DNA  
 <213> Homo sapien

<400> 21  
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 acaaaccagc caacagacct gacatgaacc cgcccaactg cgatcacgac gcaccaccac 780  
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 gaccgcccgc c 851

<210> 22  
 <211> 1129  
 <212> DNA  
 <213> Homo sapien

<400> 22  
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 tcaaattatc tcccaccggg cgttggaccg gaagtccacg cgccggaact cgaaccagga 180  
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 ttccatgagc tccaggaagg cgacggctag tgcttggtg gggacccgga ccgatgcgaa 360  
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 gggcagcgag cgccgacccc tgatgctgca gaagcagaac accagaagcg gcgggggtga 540  
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 aagccaatct tcatctcatc gaccccgag agcaatacca ggtgggggaa cgaaacgcaa 720  
 gaagagagac gcacaagcag cagacatata acacgcccga actgaacatc atcaagatac 780  
 tcgccaggac gatgctgaag caccacacia aacaccaaata acaaagcacc cgagaacacc 840  
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<210> 23  
 <211> 900  
 <212> DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 23

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cgagctgaga ctccagtgtg agacctgcac cattcttaaa tgatgccag tgtttagtg 180  
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cattgatgca aactgcttgg ctgtaatcac tgtgtcatag ctgtattacc tgtgtgcaca 360  
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catacacact cctcactaat ccaaccaacc acacaactct aaaaaccaca cacaactaca 480  
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gtatcaaacc acttaaata ctaacgacta catatcatct ctcttcgac aaccatccca 600  
tatccactca caccagcact aataaataac aaacaaactc aacaagccac tagcacaaca 660  
ccactcctca cactccaaac aaccaccaca gaaaatcaac caatacactt accacaccaa 720  
cataaatacc caaaattacc actatcaacc tcaaaactta ctatcacata caaaatcaaa 780  
tccacactac accaccatca accacagaac tactaagtc acaactcta tgtaccacg 840  
aagacactct tacactacac aaccatccc aacacatact acttaacact atccctaaca 900

&lt;210&gt; 24

&lt;211&gt; 976

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 24

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tccccccca aagaga 976

<210> 25  
<211> 1660  
<212> DNA  
<213> Homo sapien

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gggactagta ttccagttta atcatgagaa aggcctctctg ctttaagaag cactctacat 180  
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<210> 26  
 <211> 720  
 <212> DNA  
 <213> Homo sapien

<400> 26  
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 ttagcaatgc tggaaattta ttttccatga aacagtggaa aataagtata gctcaactgg 180  
 atgatctcac taaagagatt tctaggcaat gtcaaagggtg ctatctggat tcttctagcc 240  
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 agccacaact ttttgggttt gaaaaaatac ttttttcatt cctaacctct ccagacagtg 360  
 aatgatgcca aaattaagca atctgttcca gacagagcca atccagggaa ctctcagcaa 420  
 aatgatgaag atgaaaaggc atggctataa aaggctttgt taagaacagg aagggtaaat 480  
 aactgtgtt accaacaac aatagggccc ctaaaaatct taatgtctca cggcagtttc 540  
 acatgggaaa ccaagataga ggtgggcat ctgaaagaga tttgtgggtg tgatttgtgt 600  
 ctgatggagt gaattataac tgtttaagag aaaccattaa tttaaaggat tagatcaggt 660  
 tgattggaaa ggatattgag ttaaattggtg cggcattgtg aatcttaatg ctaaaaaata 720

<210> 27  
 <211> 708  
 <212> DNA  
 <213> Homo sapien

<400> 27  
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 aggcgaataa agcgaatatt tcttaaaaaa aaaaaaaaaa aagggaaaaa aacaaaaaaa 600  
 aaaaaaaaaa ggtggggggc cccggggcca aagggttccc gggggaattg ttctccccc 660  
 ccatcacacc cacaacacaa aaaaatgaaa aaggcacaac cggaccat 708

<210> 28  
 <211> 1099  
 <212> DNA  
 <213> Homo sapien

<400> 28  
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 aaaaaaaaaa aaagggaaaa aaacaaaaaa aaaaaaaaaa ggggtggggg ccccggggcc 1020  
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 aaaggcaciaa cgggacat 1099

<210> 29  
 <211> 598  
 <212> DNA  
 <213> Homo sapien

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 tggatgtaag tgttcaaaaa aaaaaaaaaac aaaaaaaaag gctgggggaa accggggcca 540  
 aagcctctcc cgggggggac attgtttccc gcccgaattc aaccacaca aaccaccg 598

<210> 30  
 <211> 1495  
 <212> DNA  
 <213> Homo sapien

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 gagtactgct tttgcagagt gacaggctgc tgggacagat gtcctcctgt tgcattttg 180  
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gttgatgatt tggtttggcc aagagtcttg ccaagacttt aatctatgcc tcttgttcta     1020
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<210> 31
<211> 546
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (501)..(501)
<223> a, c, g or t

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<400> 31
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aagctaggac atcccaaagg gtccacttca tagagagggtg ccaaccccca cagcacacc     180
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<211> 5872
<212> DNA
<213> Homo sapien

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tcaaaagata cacaaaacaa acagggctgg gcggtaacca gggcaacgcg ggcccggggg	5700
gaagtgtttc cgcaccaatc ccgcattacg tgagacaccg ggaatggaga tgatgagcaa	5760
gtaacgatga acgaacgacg aggaaagaag cagaaacaac aagacaacac acacagagaa	5820
caaaagtaaa ggaggcagag gagagaagac agagagagaa caaaaagagc ag	5872

<210> 41  
 <211> 757  
 <212> DNA  
 <213> Homo sapien

<400> 41	
gcactgacca tataggcatg ggtcactaga gcagccgagc ggcgcagtgt gatggatgcg	60
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attaatgcat cagaacttta tgttataatc atatggattt atacgtaaat taagaaaaaa	180
tgtccaattt cattcagttc atatgttcta aacgtattgc tgatcattct taaatgagac	240
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cactggcatg taagctctgt gagggtcaa agtttcatct agctatcttc cagaacagtg	540
tctggcacag agaaggagct ctatgaacta tgtgttgaat gaatggctat ctttgccctg	600
taaaccccat gctactggct ctctcttcag gtggctgacc actgcacccc aagcatgctg	660
gaaagacagg agtcccaagc cctcccttct gtctactcaa gcttgggtat catgggtcata	720
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<210> 42  
 <211> 1895  
 <212> DNA  
 <213> Homo sapien

<400> 42	
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tctactgaggc	caattctgct	gtattctaata	tctttttagg	ttcttgggtg	tagagtaatg	660
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cgtgggcctg	gtgctgtgtt	aaagtgtttt	acatatatta	tttcttttaa	tccgcacaat	1860

gaccccttca agtaggtact gttattattc ccaat

1895

<210> 43  
 <211> 674  
 <212> DNA  
 <213> Homo sapien

<400> 43  
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 atctgcgagg tgcaagaaag cctttgaggt gataggtgta tgaaatgtca tcataacaga 180  
 tgtaaccaa aacttgataa aagggttgta aaaaactact aggatcacgc ggcattgtatt 240  
 gagcatatag gttgctgtag atgaatgttc tttagctgtca tgtttaaaaa tacttctgct 300  
 tggttacctc aagtgtggca tgcagcattt tggaggaaa attgaagacg tgttcaagaa 360  
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 taaattataa agaaaaaaaa aaaaaaaaaa gctgggggat aactcagggc tcaatagcgt 480  
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 caacattgcg ggagacacca aaagagaaaa caggaagaag caaaagcaca aaggccaaag 600  
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 aaaaaaaaga gaaa 674

<210> 44  
 <211> 323  
 <212> DNA  
 <213> Homo sapien

<400> 44  
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 gggcccagcc cacagctcct ttgacctcag tgacaggcac tcaccgtacc tgaccgcccc 180  
 aactgaagcc tcacatttgt cccagcacgt gcccgacacc ctcatgggct accccattga 240  
 ccatgacaag tattccctct gctccagga gaaaagccta ggtcccagac ctgaccatt 300  
 aaaaccaat cattccagct ttc 323

<210> 45  
 <211> 568  
 <212> DNA  
 <213> Homo sapien

<400> 45



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ttagcttggc agcagcagcg ggataaatag gggggcactg ctgcctgtga gccagcccag      180
catagccatg ggtgtgtggg ggaagcagac agagacaggg tcttgctccg ctgtccaggc      240
tggaatgctt cgggtgtgat acagcgcacg ttaacctcga attcctgggc tcaggtgatc      300
ctcccacttc cgcctcctga cttgctgaaa ctacaggcac cgcctccac cggcaggccc      360
agcccacagc tcctttgacc tcagtacag gcactcacct acctgacccc caaactgaag      420
cctcactttt cccagcctg tccacacct ctgggctacc ccattaccat gacaagtatt      480
ccctctgctc caggagaaaa gccaggctcc agacctgacc cattaaaacc caatcattcc      540
aaaaaaaaaa aaaaaactct ccagcgct      568

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<210> 46
<211> 800
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (749)..(749)
<223> a, c, g or t

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ctaccttcag gtaaatgccc tcattctgtt agtggccacg ttgcgacggg gctttcttgt      240
catttaccac caaaccgaac tcctagacac ataaatacac aggggatcta cccccaacaa      300
ctggcgacac taccgaacaa cggaagcagc cagggccagt agctggacag gcacaatctc      360
agcctggcag gcagcagtg aggctgcgcg ggcctcgtgg tlggcgcagg gaggcaattg      420
cttctgcaa tcttacttcc ctgtgtcttt cactcggcc tgagccctg ccagtctggg      480
gactctgcgc gccagccagc acaactgcgt ctgccccag gggcctgact cgttgaagga      540
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aacgggaaac gtcagatct ggtggtttca caacataaaa aaaaaaaaaa aaaaacaaaa      660
aaaaaaaaaa ggctgtgggg gtaaccacag gccaaagcgc gggttcccgg gggtgaaaat      720
ttgttttccc gcccccatc tccccatnt cccgaacaa acaaaacatg aggaagaaac      780

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aagcaaacaa gacaccaaga

800

&lt;210&gt; 47

&lt;211&gt; 810

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 47

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ctgggggtatc tagatgcatg tcgagcggcg catgtgtgat ggatgcggcg cccgggcagg 120

tactgggaaa cacggcaggt ttggtgtggg gtgggaaaat gttgaaacca cttgtagcaa 180

gccacaccta ttgggggaga ggtgataaga ttattaagct gaagtaaggc tgctagaatg 240

gcctatagaa accgcacttg gacagtggat ggcagcagaa ggccatttca ttaacagatg 300

ctgctggcag ttttgtcctg atggttggaa tccttcacca agtaatttgt atctaattac 360

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aacacaacaa cacaccacia caaaaacaca aaaacgcgcg ggggggacac cccaggggacg 480

acgggatgga tcccggggcg gcgaactcgg tcaccccggc gccaaaattt cccaacacaa 540

accatcggcg acaaacggc caaggaagca agagaaacaa gaggaacaa gaggaagaag 600

gacacggaaa gacgaaaagg agcaagaagc acgcggacaa gagacgaaga gggaggaggg 660

cgagaagagg agagaggagg aggaggaggg gagagacgcc aagaggggga gcgggggata 720

gagacagggg gggaggaggga gagaaaaaga ggaggaaggg ggaggggggg agagcgaagg 780

ggaggaaaaa aggaagacgg agggcccga 810

&lt;210&gt; 48

&lt;211&gt; 818

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 48

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gggcgaagcc caggtgacct tcagaacgtt gcacaagaac atcagggaaa agaaccagaa 120

tcctttaagg aaaatgttct tcatgtatga gagactaaag tgatttttct aagaaagttc 180

agcccttctc tgacttacct ggacatttct agatacttcc aaaggacct ctgggaatcc 240

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 cattacactg gaaatgttta tttctgctgt atcatccgtg ctcaaactgt taagttctgt 660  
 caggctcacc ttctctctgg aaagaatttg cttaacttga cattccatgg tgcccgttaa 720  
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<210> 49  
 <211> 1691  
 <212> DNA  
 <213> Homo sapien

<400> 49  
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 gacttctaata atggatttga atttcttgac tgttactgct cagaacaatc accctttttg 240  
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 ggaaagcatc ctgaagggtga acctggctag actcaccctg ttccacatag aacaaggaaa 360  
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 tcaagtacag tctcctcatg agacatagcc taatcaatta gatctagaat tggaaaaatt 660  
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 ggttctgaag cgatgagaga aatgcccgtt ttaggaggat tacttgagcc ctggagggtca 780  
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aatgttatth ctgctgtatc atccgtgctc aacgttttag tctgtcaggc tcaccttctc 1620
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gaaaaaaaaa a 1691

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<210> 50
<211> 657
<212> DNA
<213> Homo sapien

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<400> 50
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agcaagctta gctgaatggc cacaccacca gcgaagtgcc tgagccaaga tttggactcg 180
agtccatggg accccacgc tctgagaggt gactgctctg ctcccactgg gtcccttcat 240
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caagtttctt ctctgaagg tctttgcaat ataagcgcca aggagcccggt gtgcgtggca 600
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<210> 51
<211> 1244
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (37)..(37)
<223> a, c, g or t

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<210> 52  
 <211> 358  
 <212> DNA  
 <213> Homo sapien

<400> 52  
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 cggataacct tggcccttgg gactccatca tctccttgaa gtagcactga gaatccaaga 180  
 agaggctccg ctgctttttg cacatgttac tgagttacat ctgaggaaga tttttaagca 240

cgaggaagga aaatacaggc ctggccaagc agggccccct ttccggtatc atctttgttc 300

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<210> 53

<211> 1589

<212> DNA

<213> Homo sapien

<400> 53

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ggataatcag attacacaaa atctaggcag tgaacaagtc ttcactctgg cccaggaaat 180

agcctattaa aaaatgctgt ccaggccagg cacagtggct cacacctgta atcccaggac 240

ttcgggaggc tgaggctgga ggattgcttg agttcaagac cagcctgagc aacacagtga 300

aaacccatct caaaaaaaaa aaaaaaaaca aacaaaaaaaa actgggtccag ctgggtggac 360

tttcaggatt caggactgct gggggatcaa gccaaggat gtttttcaga gctctgtgga 420

atttaagatg ctgaaaaaga gtgtccaaga ggagtaaagg tcatgacaga atttactccc 480

aggacaatct aagttctgcc acaagtaccc gtgggtgtctg tccccacaac aatggccctt 540

tcacaagctc ttgctcaca acccctgcag aagtccttca acaaaaactaa taatagacta 600

gtgaaacctc ctctcacat gggtaagagt tgcagtgggc aggtgaccct cctccctgcc 660

cccatccttt gcttctcaa gctccctgcc aacctctgga tacatcaatg ggaaggaaac 720

caggggaagca tagacctata gtacaacagg ggtgtagtga ccaactggacc tgatgaagcg 780

aatctgcctg aaatttaata cgccctttta tttcccttct gtgttaaata aaatgatctg 840

ttctgcactg agccaagcaa gttactttta aaactgggtg caccactcat ttgggacttg 900

gagactgctt ttatccagaa cctgttaaga gaacagggga tttaaatata aaggaatatg 960

aaggtgggtg gccttaaaga cagtctaaaa ttaggtttta gtttgttaca ttattttgaa 1020

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ccaagacaga agtgatgatt tggtttttta tgatttttgc tgtggaaatg gcagtcgtgt 1200

gacttttcac ttgcagttta aatgaaaggg tgaagagaag cctacctgcc ctaatggctc 1260

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<210> 54  
<211> 554  
<212> DNA  
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<400> 54  
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ggccataggc tgttcccggg ggtgaaatgg ttatccgcct ccacaattcc cacacaacaa 480  
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 <211> 929  
 <212> DNA  
 <213> Homo sapien

<400> 56  
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<210> 57  
 <211> 984  
 <212> DNA  
 <213> Homo sapien

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 agcagccgca cgcgactcg agcg 984

<210> 58  
 <211> 584  
 <212> DNA  
 <213> Homo sapien

<400> 58  
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<210> 59  
 <211> 981  
 <212> DNA  
 <213> Homo sapien

<400> 59  
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<210> 60  
 <211> 657  
 <212> DNA  
 <213> Homo sapien

<400> 60  
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<210> 61  
 <211> 140  
 <212> DNA  
 <213> Homo sapien

<400> 61  
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 <211> 247  
 <212> DNA  
 <213> Homo sapien

<400> 62  
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<210> 63  
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 <212> DNA  
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<210> 64  
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 <212> DNA  
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<400> 64  
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<210> 65  
 <211> 365  
 <212> DNA  
 <213> Homo sapien

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365

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 <212> DNA  
 <213> Homo sapien

<400> 66  
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 <211> 1068  
 <212> DNA  
 <213> Homo sapien

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 <213> Homo sapien

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<210> 69  
 <211> 1028  
 <212> DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 69

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&lt;210&gt; 70

&lt;211&gt; 950

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 70

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 <212> DNA  
 <213> Homo sapien

<400> 71  
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<211> 328  
<212> DNA  
<213> Homo sapien

<400> 72  
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<210> 73  
 <211> 482  
 <212> DNA  
 <213> Homo sapien

<400> 73  
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 aagactaaac ataaaggtac cgtataccca acaattccac ccctaagtat atacccaaga 180  
 aaatgaaaac atgtccacat aaaaaattgt acacagatgg tgtttgtagc agcattattt 240  
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 catgctataa caaaaaaaaaa aaaaaaaaaa aaactttggg gttatctcat ggctcatacc 420  
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<210> 74  
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 <212> DNA  
 <213> Homo sapien

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 <223> a, c, g or t

<400> 74  
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<211> 759  
<212> DNA  
<213> Homo sapien

<400> 75  
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 <212> DNA  
 <213> Homo sapien

<400> 76  
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<210> 77  
 <211> 244  
 <212> PRT  
 <213> Homo sapien

<400> 77

Met Gly Ile Phe Leu Lys Ala Cys Leu Cys Ala Asn Pro Ser Pro Lys  
 1 5 10 15

Gly Gly Tyr Leu Arg Trp Val Glu Pro Ser Ser His Gly Val Glu Arg  
 20 25 30

Arg Pro Trp Thr His Thr Arg Glu Glu Pro Pro Lys Pro Ser Ser Ile  
35 40 45

Met Trp Gln Arg Ile Gln Arg Trp Ala Tyr Leu Ser Gly Ser Ile Ala  
50 55 60

Cys Leu Arg Gly Ala Asp Asn Cys Arg Thr Ser Ala Ser Gln Phe Ser  
65 70 75 80

His Gln Thr Lys Ile Cys Asp Thr Asn Thr Gln Pro Gly Ala Ser Pro  
85 90 95

Thr Asp Ala Arg Lys Ala Arg Arg Pro Lys Ser Pro Arg Pro Arg Pro  
100 105 110

Ala Pro Ala Pro Arg Gln Ala Pro Gly Gln His Pro His Ser Thr Thr  
115 120 125

Gly Ala Ala Ile Thr Thr Gly Pro Thr Ala Gln Arg Arg Glu Ala Thr  
130 135 140

Asp Ala Glu Asn Lys Arg Lys Arg Thr Arg Gln Arg Thr Arg Arg Thr  
145 150 155 160

Thr Gly Gln Thr Tyr Glu Gln Thr Lys Lys Arg Lys Lys Lys Thr Lys  
165 170 175

Arg Asp Ala Gly Asp Asp Gly Arg Ala Arg Lys Thr Lys Arg Gln Ala  
180 185 190

Lys Arg Asn Lys Gly Lys Ala Lys Arg Gly Arg Ser Lys Gln Glu Arg  
195 200 205

Lys Lys Lys Gln Arg Ala Thr Lys Gln Glu His Lys Glu Lys Asp Arg  
210 215 220

Lys Ala Pro Arg Gly Gln Thr Lys Glu Gly Glu Gln Asn Thr Lys Asp  
225 230 235 240

Glu Arg Glu Glu

<400> 78

Gln Pro Arg Lys Gln Thr Gln Arg Ala Ser Ser Gln Arg Gln Gly Asn  
20 25 30

Asn Thr Lys Ala His Arg Gln Lys Glu Gly Ala Ala Glu Gly Thr Gln  
35 40 45

Ala Thr Pro Glu Arg Gly Gln Thr Gln Ala His Gln Lys Arg Arg Glu  
50 55 60

Arg Thr Thr Gly Arg Glu Glu Gln Lys Glu Lys Arg Gln Gln Arg Glu  
65 70 75 80

Glu Gln Gly Thr Arg Gly Asp Arg Glu Arg Lys Arg Gln Pro Ala Asn  
85 90 95

Ala Gln Asp Gly Gln Gln Ala Arg  
100

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<210> 79
<211> 54
<212> PRT
<213> Homo sapien
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<400> 79

Met Arg Val Tyr Ala Cys Ser Ser Val Tyr Ser Gln His Arg Gly Ser  
1 5 10 15

Phe Asp Val His Val Tyr Leu Tyr Tyr His Gly Tyr Val Gly Val Thr  
20 25 30

Thr Leu Thr Met Ile Phe Ser Ser Val Leu Phe Gly Tyr Gly Phe Gly  
35 40 45

Val Ile Trp Leu Leu Leu  
50

$\langle 210 \rangle$	80
$\langle 211 \rangle$	76

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 80

Met Ser Glu Thr Pro Gly Gln Val Pro Gly Asp Arg Cys Ser Pro Ser  
1 5 10 15

Pro Val Lys Val Asp Ala Leu Glu Met Glu Pro Met Ser Pro Trp Glu  
20 25 30

Arg Leu Asp Cys Val Lys Leu Arg Ser Arg Asp Val Gly Arg Ser Ala  
35 40 45

His Ala Ala Tyr Ile Val Pro Cys Thr His Ile Cys Ala Arg Leu Ala  
50 55 60

Ser Asp Gly Asp Phe His Glu Leu Ile Glu Gly Thr  
65 70 75

&lt;210&gt; 81

&lt;211&gt; 125

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 81

Met Arg Tyr Ala Ala Ser Asn Ser Pro Gly Ser Tyr Arg Pro Lys Lys  
1 5 10 15

Val Asp Arg Ala Ala Ala Glu Glu Gln Ala Phe Asp Gly Met Pro Asn  
20 25 30

Thr Glu Gly Arg Arg Pro Ala Gly Asp Pro Gly Arg Arg Ser Pro Thr  
35 40 45

Ala Ala Gly Arg Gly Glu Gly Gln Ile Arg Gly Arg Glu Pro His Ala  
50 55 60

Arg Pro Cys Met Arg Arg Arg Arg Pro Arg Glu Arg Arg Pro Glu Ala  
65 70 75 80

Ala Arg Gln Glu Arg Pro Arg Lys Pro His Ala Pro Arg Pro Cys Ala  
85 90 95

Thr Ala Gly His Ala Arg Glu Ala Gly Arg Ser Thr Ala Gly Asp Arg  
100 105 110



Pro Arg Thr Arg Pro Ala Gln Gly Ser Arg Ala Thr Glu  
 115 120 125

<210> 82  
 <211> 235  
 <212> PRT  
 <213> Homo sapien

<400> 82

Ala Trp Ala Leu Leu Phe Leu Thr Leu Leu Thr Gln Gly Thr Gly Ser  
 1 5 10 15

Trp Ala Gln Ser Ala Leu Thr Gln Ser Ala Ser Val Ser Gly Ser Pro  
 20 25 30

Gly Gln Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser His Val Gly  
 35 40 45

Gly Tyr Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro  
 50 55 60

Lys Leu Ile Ile Tyr Glu Val Ser Asn Arg Pro Ser Gly Val Ser Asn  
 65 70 75 80

Arg Phe Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser  
 85 90 95

Gly Leu Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Cys Ser Tyr Thr  
 100 105 110

Arg Ser Thr Ser His Val Phe Gly Thr Gly Thr Lys Val Thr Val Leu  
 115 120 125

Gly Gln Pro Lys Ala Asn Pro Thr Val Thr Leu Phe Pro Pro Ser Ser  
 130 135 140

Glu Glu Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp  
 145 150 155 160

Phe Tyr Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Gly Ser Pro  
 165 170 175

Val Lys Ala Gly Val Glu Thr Thr Lys Pro Ser Lys Gln Ser Asn Asn  
 180 185 190

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Lys Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys  
 195 200 205

Ser His Arg Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val  
 210 215 220

Asp Glu Asp Ser Gly Pro Leu Gln Lys Cys Ser  
 225 230 235

<210> 83  
 <211> 166  
 <212> PRT  
 <213> Homo sapien

<400> 83

Pro Pro Pro Ser Pro Pro Ser Pro Pro Ser Pro Pro Pro Ser Pro Pro  
 1 5 10 15

Ser Ser Pro Pro Pro Ser Ser Pro Pro Pro Ser Pro Ser Ser Ser Ser  
 20 25 30

Ser Ser Ser Ser Ser Cys Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser  
 35 40 45

Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser Phe Phe Phe Leu Phe  
 50 55 60

Ser Phe Leu Phe Phe Leu Arg Trp Ser Leu Ala Leu Leu Pro Arg Leu  
 65 70 75 80

Glu Cys Ser Ser Thr Ile Ser Ala His Cys Asn Leu Cys Leu Leu Gly  
 85 90 95

Ser Ser Asp Ser Ser Ala Ser Ala Ser Gln Val Ala Gly Thr Thr Gly  
 100 105 110

Ile His His Tyr Ala Gln Leu Ile Phe Val Phe Leu Gly Glu Thr Gly  
 115 120 125

Phe His His Ile Gly Gln Ala Gly Leu Ala Leu Arg Thr Ile Val Ile  
 130 135 140

Gln Pro Ala Ser Ala Ser Gln Ser Ala Gly Ile Tyr His Gly Val Ser  
 145 150 155 160

Leu Leu Ser Arg His Gly  
165

<210> 84  
<211> 63  
<212> PRT  
<213> Homo sapien

<400> 84

Met Glu Arg Tyr Ile Pro Ile Arg Asn Pro Thr Arg Asp Asn Asn Asn  
1 5 10 15

Ser Arg Glu Arg Arg Arg Glu Asn Thr Asp Glu Arg Glu Ser Arg Asp  
20 25 30

Arg Arg Arg Glu Arg Asn Glu Arg Lys Arg Arg Glu Asn Glu Thr Arg  
35 40 45

Glu Gln Arg Glu Gly Glu Thr Glu Ala Lys Lys Asp Lys Lys Lys  
50 55 60

<210> 85  
<211> 98  
<212> PRT  
<213> Homo sapien

<400> 85

Met Gly Phe Trp Pro Asp Thr Phe Ser Arg Gly His Ile Met Ala Ser  
1 5 10 15

Val Phe Pro Gln Arg Val Cys Phe Arg Phe Cys Leu Phe Glu Met Glu  
20 25 30

Ser His Phe Val Thr Gln Leu Glu Leu Gln Cys Arg Tyr Leu Gly Ser  
35 40 45

Leu Gln Pro Pro Pro Pro Pro Pro Gly Phe Met Gln Phe Ser Cys Leu  
50 55 60

Arg His Ser Ser Ser Trp Asp Tyr Arg His Ala Pro Ser Cys Leu Ala  
65 70 75 80

Asn Phe Cys Ile Phe Ser Arg Asp Trp Val Ser Pro Tyr Trp Pro Gly  
85 90 95

Trp Ser

<210> 86  
 <211> 53  
 <212> PRT  
 <213> Homo sapien

<400> 86

Met Arg His Leu Ser Ile Cys Tyr Asp Thr His Ile His Thr His Met  
 1 5 10 15

Glu Ile Asp Val Met Ile Leu Arg Asp Arg Thr Asp Asn Thr Arg Tyr  
 20 25 30

Ala Ser Thr Leu Val Arg Asp Leu Leu Leu Ser Thr Leu Ala Thr Asp  
 35 40 45

Ser Ser Tyr Ala Tyr  
 50

<210> 87  
 <211> 73  
 <212> PRT  
 <213> Homo sapien

<400> 87

Leu Lys Asp Gln Pro Gly Gln Tyr Gly Glu Thr Pro Ser Leu Leu Lys  
 1 5 10 15

Ile Gln Lys Leu Ala Gly His Ser Gly Val Cys Leu Ala Ser Gln Leu  
 20 25 30

Leu Gly Arg Leu Arg Gln Lys Asn Arg Leu Asn Leu Gly Gly Arg Gly  
 35 40 45

Cys Ser Glu Pro Arg Ser Cys Tyr Cys Thr Pro Ala Trp Ala Lys Glu  
 50 55 60

Gln Asp Ser Ile Ser Lys Lys Lys Lys  
 65 70

<210> 88  
 <211> 90  
 <212> PRT  
 <213> Homo sapien



<212> PRT  
 <213> Homo sapien

<400> 90

Met Gly Trp Tyr Val Val Phe Ser Phe Arg Phe Met Leu Phe Val Leu  
 1 5 10 15

Gly Thr Leu Val Ala Arg His Leu Leu His Ser Asp Leu Leu Thr Phe  
 20 25 30

Gln Leu Ser Glu Ser Gln Leu Cys Ser His Asp Leu Pro Pro Ser Leu  
 35 40 45

Arg Asp Leu Arg Ala Cys Pro Cys Met Val Ser Leu Arg Gln Pro Leu  
 50 55 60

Val Met Leu Cys Ala Val Pro Ala Trp Leu Leu Ala Ser Cys Thr Val  
 65 70 75 80

His Cys Met Ile Leu His Arg Val Lys His Ala  
 85 90

<210> 91  
 <211> 74  
 <212> PRT  
 <213> Homo sapien

<400> 91

Met Glu Lys Phe Glu Arg Met Asn Val Lys Ser Phe Phe Phe Phe Phe  
 1 5 10 15

Phe Glu Thr Gly Ser Leu Ser Val Thr Lys Gln Glu Cys Ser Gly Val  
 20 25 30

Ile Ile Ala His Cys Ser Leu Asp Leu Pro Gly Ser Ser Asp Pro Pro  
 35 40 45

Thr Leu Ala Pro Pro Val Ala Gly Thr Thr Gly Val His His His Ser  
 50 55 60

Trp Leu Ile Ile Ile Leu Phe Leu Tyr Phe  
 65 70

<210> 92  
 <211> 92  
 <212> PRT

<213> Homo sapien

<400> 92

Met Glu His Glu Leu His Pro Thr Ser Gln Ser Cys Gly Ala Arg Ala  
1 5 10 15

Thr Ser Ser Ser Val Cys Val Tyr Met Val Glu Leu Ser Leu Cys Asp  
20 25 30

Val Ser Leu Ser Arg Ser Pro Cys Phe Gly His Asp Asn Pro Cys Lys  
35 40 45

Val Thr Arg Gly Ile Ala Asp Gly Phe Gly Cys Gly Leu Arg Val His  
50 55 60

Arg His Val Leu Ala Val Leu Ile Leu Ile Gln Thr Gly Cys Thr Pro  
65 70 75 80

Gln Ile Arg Arg Ser Lys Ser Met Ala Ser Val Ala  
85 90

<210> 93

<211> 62

<212> PRT

<213> Homo sapien

<400> 93

Met Gly Pro Leu Thr Ala Ala Arg Arg Gly Asp Ser Val Met Asp Gly  
1 5 10 15

Trp Cys Asp His Gly Ser Cys Asn Leu Glu Phe Leu Gly Thr Ser Asp  
20 25 30

Pro Pro Ala Leu Ala Ser Gln Ser Arg Val Gly Thr Thr Gly Met Arg  
35 40 45

Gln His Thr Trp Leu Ile Leu Leu Thr Phe Thr Phe Ser Arg  
50 55 60

<210> 94

<211> 148

<212> PRT

<213> Homo sapien

<400> 94

Met Leu Gln Lys Gln Asn Thr Arg Ser Gly Gly Gly Glu His Gln Arg

1                      5                      10                      15  
 Glu Gln Pro Met Asp Lys Thr Ala Ser Leu Gly Gly Ser Cys Thr Thr  
                     20                      25                      30  
 Pro Arg Ala Pro Pro Thr Phe Thr Val Arg Gly Glu Leu Thr Ala Gln  
                     35                      40                      45  
 Lys Val His His Lys Ser Gln Ser Ser Ser His Arg Pro Arg Arg Ala  
                     50                      55                      60  
 Ile Pro Gly Gly Gly Thr Lys Arg Lys Lys Arg Asp Ala Gln Ala Ala  
                     65                      70                      75                      80  
 Asp Ile Ser His Ala Arg Thr Glu His His Gln Asp Thr Arg Gln Asp  
                     85                      90                      95  
 Asp Ala Glu Ala Pro His Lys Thr Pro Asn Thr Lys His Pro Arg Thr  
                     100                      105                      110  
 Pro Cys Arg His Thr Ala Pro Pro Leu His Pro Pro Glu Gln Met Asn  
                     115                      120                      125  
 Arg Gly Gln Ser Asn Thr Arg Arg Asn Glu Asn Asn Leu His Ser Glu  
                     130                      135                      140  
 His Asn Ala Ala  
 145  
 <210> 95  
 <211> 51  
 <212> PRT  
 <213> Homo sapien  
 <400> 95  
 Met Val Gln Val Leu His Trp Ser Leu Ser Ser Ala Ile Leu Ser Val  
 1                      5                      10                      15  
 Tyr Val Gln Tyr Leu Pro Gly Asp Pro Ser His Cys Arg Gln Leu Glu  
                     20                      25                      30  
 His Ala Ser Met Ile Asn Gln Trp Ala Leu Ile Asn Ser Thr Phe Leu  
                     35                      40                      45  
 Cys Arg Leu



50

<210> 96  
 <211> 84  
 <212> PRT  
 <213> Homo sapien

<400> 96

Met Arg Gln Ser Ala Thr Leu Arg Ser Ser Asp His Trp Glu Glu Arg  
 1 5 10 15

Glu Ser Leu Gln Leu Leu Gly Phe Arg Leu Gln Lys Phe Leu Ala Ala  
 20 25 30

Phe Ala His Trp Arg Gly Gly Glu Asp Lys Ser Ile Arg Asn Pro Met  
 35 40 45

Phe Pro Ser Ser Pro Thr Glu Arg Thr Lys Glu Val Phe Thr Arg Cys  
 50 55 60

Gly Thr Phe Leu Gln Leu Leu Asp Ala Asp Lys Pro Gln Ser Arg Leu  
 65 70 75 80

Phe Trp Leu Gln

<210> 97  
 <211> 72  
 <212> PRT  
 <213> Homo sapien

<400> 97

Met Lys Gln Trp Lys Ile Ser Ile Ala Gln Leu Asp Asp Leu Thr Lys  
 1 5 10 15

Glu Ile Ser Arg Gln Cys Gln Arg Cys Tyr Leu Asp Ser Ser Ser Pro  
 20 25 30

Tyr Ser Lys Arg Gln Lys Glu Lys Gly Lys Gln Asp Lys Lys Leu Phe  
 35 40 45

Asp Ile Lys Glu Pro Gln Leu Phe Gly Phe Glu Lys Tyr Phe Phe Ser  
 50 55 60

Phe Leu Thr Ser Pro Asp Ser Glu  
 65 70

<210> 98  
 <211> 40  
 <212> PRT  
 <213> Homo sapien

<400> 98

Met Gly Thr Arg Tyr Tyr Ile Leu Glu Phe Val Leu Arg Arg His Lys  
 1 5 10 15

Leu Asn Ser Arg Ser Leu Cys Pro Lys Phe His Arg Leu Lys Lys Arg  
 20 25 30

Ser Ser Asn Tyr Arg Ser Gly Tyr  
 35 40

<210> 99  
 <211> 87  
 <212> PRT  
 <213> Homo sapien

<400> 99

Met Phe Ser Thr Ser Ser Gln Val Cys Ala Leu Cys Pro Phe Ser Gly  
 1 5 10 15

Ser Leu Glu Leu Pro Pro Ser Leu His Pro Asp Ser Phe Ala Ile Met  
 20 25 30

Cys Leu Ile Ser Cys Glu Phe Thr Gly Glu Ala Ile Ser Gln Ile Asn  
 35 40 45

Gly Cys Lys Cys Ser Lys Lys Lys Lys Thr Lys Lys Lys Ala Gly Gly  
 50 55 60

Asn Arg Gly Gln Ser Leu Ser Pro Gly Gly His Cys Phe Pro Pro Gln  
 65 70 75 80

Phe Asn Pro His Lys Pro Pro  
 85

<210> 100  
 <211> 31  
 <212> PRT  
 <213> Homo sapien

<400> 100

Leu Trp Ile Leu Asn Phe Ser Ile Tyr Phe Val Tyr Phe Glu Gly His

65

70

75

80

Ile His Leu Leu Ser Ser Cys Ile Leu Met Asn  
85 90

<210> 103  
<211> 38  
<212> PRT  
<213> Homo sapien

<400> 103

Gln Pro Gly Gln His Gly Glu Thr Pro Ser Pro Pro Lys Asp Ala Lys  
1 5 10 15

Thr Ser Gln Ala Trp Arg Arg Ala Pro Ala Val Pro Gly Thr Arg Gln  
20 25 30

Ala Glu Ala Gly Glu Ser  
35

<210> 104  
<211> 107  
<212> PRT  
<213> Homo sapien

<400> 104

Met Asn Tyr Ser Leu Thr Ser Arg Thr Val Glu Asp Arg Gly Gln Lys  
1 5 10 15

Gln Ala Ser Lys Arg Ser Gln Tyr Gly Gly Val His Ala Trp His Thr  
20 25 30

Trp Leu Ser Glu Ser Asp Val Cys Leu Cys Val Cys Asp Glu Asp Ser  
35 40 45

Ser Glu Trp Asn Gly Gln Arg Val Thr Gly Lys Phe Cys Arg Glu Glu  
50 55 60

Asn Glu Arg Leu Leu Ile Leu Lys Gln Ser Phe Ala Leu Leu Trp Ser  
65 70 75 80

Tyr Thr Thr Val Asn Leu Pro Ile Leu Ser Ser Gln Ile Pro Thr Arg  
85 90 95

Lys Pro Val Ile Asn Leu Trp Ile Asn Phe His  
100 105

<210> 105  
 <211> 822  
 <212> PRT  
 <213> Homo sapien

<400> 105

Met Asn Thr Ala Asp Gln Ala Arg Val Gly Pro Ala Asp Asp Gly Pro  
 1 5 10 15

Ala Pro Ser Gly Glu Glu Glu Gly Glu Gly Gly Gly Glu Ala Gly Gly  
 20 25 30

Lys Glu Pro Ala Ala Asp Ala Ala Pro Gly Pro Ser Ala Ala Phe Arg  
 35 40 45

Leu Met Val Thr Arg Arg Glu Pro Ala Val Lys Leu Gln Tyr Ala Val  
 50 55 60

Ser Gly Leu Glu Pro Leu Ala Trp Ser Glu Asp His Arg Val Ser Val  
 65 70 75 80

Ser Thr Ala Arg Ser Ile Ala Val Leu Glu Leu Ile Cys Asp Val His  
 85 90 95

Asn Pro Gly Gln Asp Leu Val Ile His Arg Thr Ser Val Pro Ala Pro  
 100 105 110

Leu Asn Ser Cys Leu Leu Lys Val Gly Ser Lys Thr Glu Val Ala Glu  
 115 120 125

Cys Lys Glu Lys Phe Ala Ala Ser Lys Asp Pro Thr Val Ser Gln Thr  
 130 135 140

Phe Met Leu Asp Arg Val Phe Asn Pro Glu Gly Lys Ala Leu Pro Pro  
 145 150 155 160

Met Arg Gly Phe Lys Tyr Thr Ser Trp Ser Pro Met Gly Cys Asp Ala  
 165 170 175

Asn Gly Arg Cys Leu Leu Ala Ala Leu Thr Met Asp Asn Arg Leu Thr  
 180 185 190

Ile Gln Ala Asn Leu Asn Arg Leu Gln Trp Val Gln Leu Val Asp Leu  
 195 200 205

Lys Gln Asn Gly Thr Val Tyr Thr Cys Ser Ser Asp Gly Lys Val Arg

445

Gly Asp Ala Gly Gly Arg Glu Pro Met Glu Glu Lys Leu Leu Glu Ile  
660 665 670

Trp Lys Asp Arg Ser Pro Lys Pro Ser Leu Leu Ser Thr Gln Ala Trp  
35 40 45



Val Ser Trp Ser  
50

<210> 107  
<211> 82  
<212> PRT  
<213> Homo sapien

<400> 107

Met Leu Asn Thr Cys Arg Val Ile Leu Val Val Phe Ser Gln Pro Phe  
1 5 10 15

Ile Lys Phe Leu Val Thr Ser Val Met Met Thr Phe His Thr Pro Ile  
20 25 30

Thr Ser Lys Ala Phe Leu His Leu Ala Asp Pro Ser Tyr Gly Pro Ala  
35 40 45

Val Ser His Ala Val Thr Thr Ser Gly Thr Asp Leu Thr Ala Leu Arg  
50 55 60

Ala Ser Ser Ser Leu Ala Gly Arg Thr Ser Ala Ala Ser Ser Ile Thr  
65 70 75 80

Lys Gly

<210> 108  
<211> 63  
<212> PRT  
<213> Homo sapien

<400> 108

Met Arg Val Ser Gly Thr Cys Trp Asp Lys Cys Glu Ala Ser Val Trp  
1 5 10 15

Ala Val Arg Tyr Gly Glu Cys Leu Ser Leu Arg Ser Lys Glu Leu Trp  
20 25 30

Ala Gly Pro Trp Arg Trp Arg Arg Val Pro Val Val Ser Ala Lys Ser  
35 40 45

Gly Gly Arg Lys Trp Glu Asp His Leu Ser Pro Gly Ile Arg Gly  
50 55 60

<210> 109

Thr Gly Gly Glu Glu Glu Arg Lys Arg Gly Gly Arg Gly Arg Gly Gly  
115 120 125

Glu Arg Arg Gly Gly Lys Lys Glu Asp Gly Gly Pro Glu  
 130 135 140

<210> 111  
 <211> 99  
 <212> PRT  
 <213> Homo sapien

<400> 111

Met Gly Arg Trp Glu Glu Ser Gln Ser Thr Gly Gln Gly Glu Asp Ser  
 1 5 10 15

Gly Ser His Gly Val Ser Pro Thr Ala Ser Ala Pro Leu Cys Cys Trp  
 20 25 30

Arg Gly Pro Glu Pro His Tyr Ser Leu Tyr Glu Asp Gln Ser Val Phe  
 35 40 45

Gly Arg Trp Arg Leu Ala His Gly Arg Thr Pro Ser Gly Gly Gly Ser  
 50 55 60

Ser Val Asn Pro Arg Asn Phe Lys Glu Pro His Ser Val Ser Leu Met  
 65 70 75 80

Thr Ser His Leu Gln Ile Arg Lys Leu Trp Ile Pro Arg Gly Ser Phe  
 85 90 95

Gly Ser Ile

<210> 112  
 <211> 105  
 <212> PRT  
 <213> Homo sapien

<400> 112

Gly Ala Gly Gly Tyr Ala Asp Asn Asp Ile Gly Ala Val Ser Thr Thr  
 1 5 10 15

Gly His Gly Glu Ser Ile Leu Lys Val Asn Leu Ala Arg Leu Thr Leu  
 20 25 30

Phe His Ile Glu Gln Gly Lys Thr Val Glu Glu Ala Ala Asp Leu Ser  
 35 40 45

Leu Gly Tyr Met Lys Ser Arg Val Lys Gly Leu Gly Gly Leu Ile Val  
50 55 60

Val Ser Lys Thr Gly Asp Trp Val Ala Lys Trp Thr Ser Thr Ser Met  
65 70 75 80

Pro Trp Ala Ala Ala Lys Asp Gly Lys Leu His Phe Gly Ile Asp Pro  
85 90 95

Asp Asp Thr Thr Ile Thr Asp Leu Pro  
100 105

<210> 113  
<211> 42  
<212> PRT  
<213> Homo sapien

<400> 113

Met Ala Thr Pro Pro Ala Lys Cys Leu Ser Gln Asp Leu Asp Ser Ser  
1 5 10 15

Pro Trp Asp Pro His Ala Arg Glu Ala Asp Cys Ser Ala Pro Thr Gly  
20 25 30

Ser Leu His Glu Val Val Pro Gln His Cys  
35 40

<210> 114  
<211> 51  
<212> PRT  
<213> Homo sapien

<400> 114

Met Leu Leu Ser Tyr Ile Ser Gly Arg Phe Leu Ser Thr Arg Lys Glu  
1 5 10 15

Asn Thr Gly Leu Ala Lys Gln Gly Pro Leu Phe Gly Ile Ile Phe Val  
20 25 30

Pro Asn Lys Gln Ser Arg Gly Trp Val Cys Trp Leu Val Lys Glu Leu  
35 40 45

Leu Arg Phe  
50

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<210> 115  
 <211> 118  
 <212> PRT  
 <213> Homo sapien

<400> 115

Met Asp Glu Arg Arg Pro Gly Arg Tyr Leu Gly Leu Pro Glu Tyr Thr  
 1 5 10 15

Lys Phe Arg Glu Pro Thr Phe Thr Pro Asp Cys Ala Trp Ser Lys Pro  
 20 25 30

Glu Ser Ser Leu Pro Arg Gly Leu Phe Gln Pro Ile Pro Leu Phe Trp  
 35 40 45

Lys Val Ile Leu Gly Ile Glu Thr Glu Asn Trp Asp Lys Gly Ser Leu  
 50 55 60

Arg Lys Thr Lys Thr Asn Asn Glu Thr Gly Asp Met Leu Phe Ser Leu  
 65 70 75 80

Asn Pro Ser Gln Ile Cys Cys Leu Ala Leu Thr His Val Glu Ile Cys  
 85 90 95

Lys Leu Cys Gln Asp Phe Pro Val His Gly Gly Glu Ser His Val Gly  
 100 105 110

Lys Lys Lys Phe Thr Val  
 115

<210> 116  
 <211> 87  
 <212> PRT  
 <213> Homo sapien

<400> 116

Met Leu Glu Arg Arg Ser Val Met Asp Trp Ser Arg Arg Gly Leu Trp  
 1 5 10 15

Glu Pro Gly Leu Gln Cys Gly Leu Pro Arg Pro Pro Gly Pro Ser Ala  
 20 25 30

Ser Ser Leu Arg Gln Pro Ser Gln Gly Trp Pro Ala Arg Thr Asp Val  
 35 40 45

Thr Met Pro Arg Ala Pro Ala Pro His Thr Ala Glu Leu Met Met Val

50

55

60

Met Gly Gly Ser Gly Ala Gly Ala Gly Glu Gln Asp Glu Gln Glu Cys  
65 70 75 80

Asn Asn Gln Asp Asp Pro Glu  
85

&lt;210&gt; 117

&lt;211&gt; 72

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 117

Met His Val Pro Thr Glu Arg Glu Tyr Ala Cys Val Cys Thr Thr Asn  
1 5 10 15

Thr Ser Cys Cys Ala Gly Ala Gly Ser Ser Gly Asn Ala Arg Gly Glu  
20 25 30

His Ala Leu Leu Val Ile His Ile His Ser Tyr Ala Val His Thr Gln  
35 40 45

His Pro Pro Arg Ala Cys Leu Pro Asn Arg Trp Leu Asn Phe Leu Leu  
50 55 60

Ser Tyr Arg Arg Pro Asp Pro Thr  
65 70

&lt;210&gt; 118

&lt;211&gt; 48

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 118

Met Asn Pro Arg Ile Asn Thr Leu Asp Val Leu Leu Leu Cys His Val  
1 5 10 15

Asn Arg Gly Leu Arg Ala Val Phe His Leu Val Pro Phe Ser Glu Asp  
20 25 30

Gln Ile Pro Arg Leu Gln Ser Met Gln Gly Leu His Arg Trp Leu Leu  
35 40 45

&lt;210&gt; 119

&lt;211&gt; 19

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<212> PRT  
 <213> Homo sapien

<400> 119

Met Thr Trp Thr Asn Arg Lys Tyr Ser Phe Asn Leu Phe Leu Leu Leu  
 1 5 10 15

Phe Asn Leu

<210> 120  
 <211> 60  
 <212> PRT  
 <213> Homo sapien

<400> 120

Met Thr Phe Gly Val Pro Asn Ser Val Ser Thr Leu Thr Ser Lys Lys  
 1 5 10 15

Lys Lys Arg Lys Lys Lys Lys Gly Arg Gly Val Pro Trp Gly Asn Ser  
 20 25 30

Cys Pro Gly Gly Gly Ile Val Phe Pro Val Pro Ile Pro Pro Ile Phe  
 35 40 45

His Asn Asn Gly Glu Pro Gly Gln Lys Arg Lys Thr  
 50 55 60

<210> 121  
 <211> 147  
 <212> PRT  
 <213> Homo sapien

<400> 121

Met Leu Leu Glu Arg Arg His Cys Asp Gly Cys Val Val Ala Pro Arg  
 1 5 10 15

Leu Cys Val Lys Arg Glu Ala Glu Gly Asp Val Ser Pro Asp Ile Ser  
 20 25 30

Lys Val Trp Val Gly Pro Leu Val Pro Glu Ile Leu Leu Gly Gly Met  
 35 40 45

Gly Pro Ala Leu Ser Gly Thr Lys Ile Arg Ala Arg Lys Arg Cys Pro  
 50 55 60

Leu Leu Met Met Leu Gly Val Arg Gly Leu Leu Leu Val Gly Leu Val  
100 105 110



Tyr Leu Val Ser His Leu Ser Gln Arg  
115 120

<210> 123  
<211> 129  
<212> PRT  
<213> Homo sapien

<400> 123

Met Glu Ala Arg Arg His Ala Leu Gly Gly Ser Val Leu Trp Gln Ser  
1 5 10 15

Gln Val Leu Phe Asn Phe Val Gln Arg Lys Gly Glu Pro Gly Phe Gly  
20 25 30

Ile Ser Val Val Arg Glu Arg Arg Val His Ser Asn His Gly Cys Pro  
35 40 45

Val Leu Ile Gln Ala Gly Ile Trp Ser Met Met Ser Val Gly Arg Ala  
50 55 60

Arg Arg Ala Arg Arg Thr Ala Ala Ser Tyr Pro Gly Pro Val Arg Ala  
65 70 75 80

Tyr Leu His His Ala Arg Gly Gly Gln Glu Pro Pro Pro Ala Val Pro  
85 90 95

Ala Arg Ala Gly Ser Ile Thr Leu Ser Pro Leu Glu Met Ile Arg Gly  
100 105 110

Pro Ser Pro Tyr Glu Ser Ile Ser Tyr Leu Ser Arg Gly Val Phe Leu  
115 120 125

Leu

<210> 124  
<211> 74  
<212> PRT  
<213> Homo sapien

<400> 124

Met Lys Ile Tyr Leu Ser Ser Leu Ile Leu Gln Val Thr Ile Ile Leu  
1 5 10 15

Asn Pro Ile Lys Ser Trp Ala Val Ala Arg Phe Phe Phe Phe Arg

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Phe Ala His Val Ala Cys Ser Gly Leu Gly Met Lys Gln Lys Arg Lys  
20 25 30

Ala Ala Ser Ser Glu Pro Thr Ser Glu Val Ala Leu Gly Gly Ser Ala  
35 40 45

Gly Pro Val Arg Ser His Leu His Pro Glu Gly Leu Leu Trp Cys Ser  
50 55 60

Arg Cys Phe Phe Ser Leu Arg Pro Lys Gly Thr Glu Pro Pro Gly Arg  
65 70 75 80

Ser Ala Gly Leu Gln Gly Ala Thr Glu Arg Ser Gly Trp Thr Ser Val  
85 90 95

Gln Ala Gln Ala Gln Ala Cys Glu Asn Leu Val Pro Ala Ala Val Ala  
100 105 110

Asp Gly

<210> 127  
<211> 27  
<212> PRT  
<213> Homo sapien

<400> 127

Met Asn Ser Phe Tyr Cys Lys Gln Thr Ser Lys Leu Ile Ser Pro Pro  
1 5 10 15

Thr Phe Phe Arg Lys Lys Lys Lys Ser Ala Gly  
20 25

<210> 128  
<211> 59  
<212> PRT  
<213> Homo sapien

<400> 128

Met Tyr Ser Tyr Asn Gly Ile Leu Phe Asp Asn Lys Asn Lys Trp Ser  
1 5 10 15

Ala Ser Thr Cys Tyr Asn Lys Lys Lys Lys Lys Lys Lys Thr Leu Gly  
20 25 30

Leu Ser His Gly Ser Tyr Leu Phe Pro Cys Phe Asp Ile Phe Phe Pro  
35 40 45

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Leu Pro Ile Ser Thr Gln Ile Leu Thr Gln Ile  
 50 55

<210> 129  
 <211> 110  
 <212> PRT  
 <213> Homo sapien  
 <400> 129

Met Lys Pro Arg Thr Leu Gly Pro Ser Leu Lys Ile Pro Ala Pro Gly  
 1 5 10 15

Cys Gly Lys Leu His Ala Pro Ser Phe Ser Ser Thr Leu Met Leu Pro  
 20 25 30

Gly Val Cys Ser Tyr Arg Thr Pro Thr Pro Ala Thr Leu Gln Glu Asp  
 35 40 45

Gly Lys Pro Gln Thr Pro Leu His Ser Lys Glu Ser His Gln Ala Thr  
 50 55 60

Arg Gly Ile Gln Leu Ala Pro Ser Leu His Met Val Gly Gly Asp Gln  
 65 70 75 80

Arg His Gly Thr Asp Ala Gly Cys Ala Leu Trp Pro Pro Asn Leu Ile  
 85 90 95

Leu Val Thr Ser Pro Phe Ala Thr Met Arg Ala Gln Glu Met  
 100 105 110

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